

Purpose

This workshop will provide participants with an opportunity to examine and discuss the design and operation of adsorptive media processes for the removal of arsenic from drinking water.

Workshop Goals

- Review design and operation information on the use of adsorptive media for the removal of arsenic from drinking water, including media selection
- Discuss the numerous laboratory and pilot plant studies conducted on the newly developed iron based media and other recently developed media products
- Evaluate this information to form the basis for providing guidance for the selection of the most appropriate media for arsenic removal technology

Who Should Attend

This workshop is aimed at all professionals dealing with the removal of arsenic from drinking water, including consultants, researchers, regulators, utility managers, and Federal, regional, state, and local agency decision-makers.

It is EPA's policy to make reasonable accommodation to persons with disabilities wishing to participate in the Agency's programs, pursuant to the Rehabilitation Act of 1973, 29 U.S.C. 791. Any request for accommodation should be made to Alina Martin, SAIC, at tcs-events@saic.com by Friday, July 9, 2004, so that EPA will have sufficient time to process the request.

Workshop Agenda

(Please note: Information subject to change.)

Tuesday, August 10, 2004

7:30 am	Registration
8:30 am	Welcome and Introduction Sally Gutierrez, USEPA Tom Sorg, USEPA
Session I	Adsorption Fundamentals/ Bench Scale Testings
9:00 am	Fundamentals of the Adsorption Process Dr. Dennis Clifford, University of Houston
9:30 am	Isotherm Testing: Procedures and Application of Results Dr. Gary Amy, University of Colorado
10:00 am	RSSCT: Procedures and Application of Results Dr. Paul Westerhoff, Arizona State University
10:30 am	Break
Session II	Process Design— Media Performance
11:00 am	Adsorption Media: Types and Properties Darren Lytle, USEPA
11:30 am	Source Waters Quality Dr. Philip Brandhuber, HRD Inc.
12:00 pm	Lunch
1:30 pm	Media Performance: Laboratory Studies Dr. Gary Amy, University of Colorado
2:00 pm	Media Performance: Laboratory and Pilot Studies Dr. Xiaoguang Meng, Stevens Institute of Technology
2:30 pm	Media Performance: Pilot Studies Dr. Paul Westerhoff, Arizona State University
3:00 pm	Break
3:30 pm	Media Performance: Pilot Studies Dr. Abraham Chen and Lili Wang, Battelle Memorial Institute
4:15 pm	Open Discussion
5:00 - 6:30 pm	Hospitality Hour Sponsored by Water Quality Association

Wednesday, August 11, 2004

Session III	System Design and Operation
8:00 am	Critical Design Considerations Eric Winchester, ADI International Inc.
8:45 am	Tank/Bed Configurations: Series, Parallel, Redundancy <ul style="list-style-type: none">Series Vessel Design Bernie Lucy, State of New HampshireParallel Vessel Design Pat Cook, State of MichiganNeed for Redundancy Pat Cook, State of Michigan
9:30 am	Break
10:00 am	Pre-Treatment Considerations Greg Gillis, AdEdge Technologies, Inc.
10:30 am	Media Loading, Backwashing, and Replacement Rich Dennis, Severn Trent Services
11:00 am	System Operation and Monitoring Glen Latimer, Jr., Kinetico Incorporated
11:30 am	Lunch
Session IV	Treatment Costs and Residuals Disposal
1:00 pm	Treatment Costs: Capital and Operational Lili Wang, Battelle Memorial Institute
1:30 pm	Residuals: Quantities and Characteristics TBD
2:00 pm	Residual Disposal: Options TBD
2:30 pm	Adjourn

For agenda updates and the latest information
visit the workshop web site at
<http://www.epa.gov/ORD/NRMRL>

Note: URL is case sensitive.

Registration

To register for this workshop, please register online at:

<http://www.epa.gov/ORD/NRMRL>

Note: URL is case sensitive.

Online registration is quick and easy. Once you register, you'll receive further logistical details, such as hotel and travel information.

There is no registration fee for this workshop.

✕ For further information, please contact:

Alina Martin, SAIC

Phone: 703-318-4678

Email: tcs-events@saic.com

Hotel Information

The workshop will be held at the following location:

The Westin Cincinnati

21 East Fifth Street

Cincinnati, Ohio 45202

Phone: 1-888-627-8071 or 513-621-7700

Fax: 513-852-5670

A block of rooms has been reserved at the hotel. Please call The Westin Cincinnati and reference the EPA Arsenic Workshop to receive the workshop rate. The workshop rate is \$80.00 (or the prevailing government per diem rate) plus 17.5% tax per room, per night for single occupancy. Please secure your hotel accommodations as early as possible because reservations will only be accepted on a space available basis. Reservations must be made by 5:00 PM on **July 19, 2004.**

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National Risk Management
Research Laboratory, G-72
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Workshop Information & Preliminary Agenda

Register Today!

**Workshop on the
Design and Operation
of Adsorptive Media
Processes for the
Removal of Arsenic from
Drinking Water**

August 10-11, 2004

**Westin Cincinnati Hotel
Cincinnati, OH**

Sponsored by

Water Supply and Water Resources Division
National Risk Management Research Laboratory
Office of Research and Development
U.S. Environmental Protection Agency

